

#### Missouri 2016 WQS Triennial Review

Water Quality Standards Workgroup December 7, 2016



- Waters of the State Definition
  - Remove definition at 10 CSR 20-7.031(1)(DD),
    reference definition in statute; 644.016 RSMo

- Mixing Zones and Zones of Initial Dilution
  - Updates 10 CSR 20-7.031(5)(A)4.B.(III) to clarify MZ and ZID apply to stream 7Q10 flows > 20 cfs



- Hardness
  - Revise definition at 10 CSR 20-7.031(1)(BB) to change to a median (50<sup>th</sup> percentile)
- pH
  - Revise specific criteria at 10 CSR 20-7.031(5)(E) to clarify pH is a chronic, 4-day average criterion



- General Criteria
  - Revision to 10 CSR 20-7.031(4)(D) to allow acute and chronic toxicity by permit in ZID and MZ (respectively)
  - Update general criteria to add narrative for the protection of downstream uses at 10 CSR 20-7.031(4)(E)



- Antidegradation Implementation Procedure
  - Update reference at 10 CSR 20-7.031(3)(D) to AIP approved by Commission July 13, 2016
- Losing Stream Reference, Table J
  - Update losing stream definition at 10 CSR 20-7.031(1)(N) to reference GIS; remove entries from Table J



- Modify Table K, Site-Specific Criteria
  - Removes disapproved or expired site-specific criteria from Table K; remain as placeholder
- Missouri Use Designation Dataset
  - Updates GIS data to refine water body delineation, update water body features according to 10 CSR 20-7.031(2), and recalculate mileages and acreages.



- Section 304(a) Water Quality Criteria
  - Updates Section 304(a) Water Quality Criteria values, formatting of Table A
  - Certain exceptions will be deferred until next rulemaking
- Numeric Nutrient Criteria for Lakes
  - Aquatic Life Protection and Drinking Water
    Supply designated uses



- Water Quality Standards Variances
  - Revises 10 CSR 20-7.031(12) to clarify variance provisions, respond to disapproval
  - Update 10 CSR 20-7.031(12)(G) & (H) to reference Multi-Discharger Variance
- Miscellaneous Text Revisions
  - -Formatting, renumbering, punctuation, etc.



## The NEXT triennial review (Beginning 2017)

- Section 304(a) Water Quality Criteria
  - Criteria that need more discussion (e.g., ammonia, bacteria/pathogens, aluminum, cadmium, magnesium, selenium)
- Wetland Water Quality Standards
  - -Publically accessible and known wetlands
  - Designated uses and criteria



### The NEXT triennial review (Beginning 2017)

- Numeric Nutrient Criteria for Lakes
  - Recreational designated uses (all lakes)
  - Big river floodplain lakes
- Numeric Nutrient Criteria for Streams
  - -Smaller streams, headwater reaches
  - Larger rivers

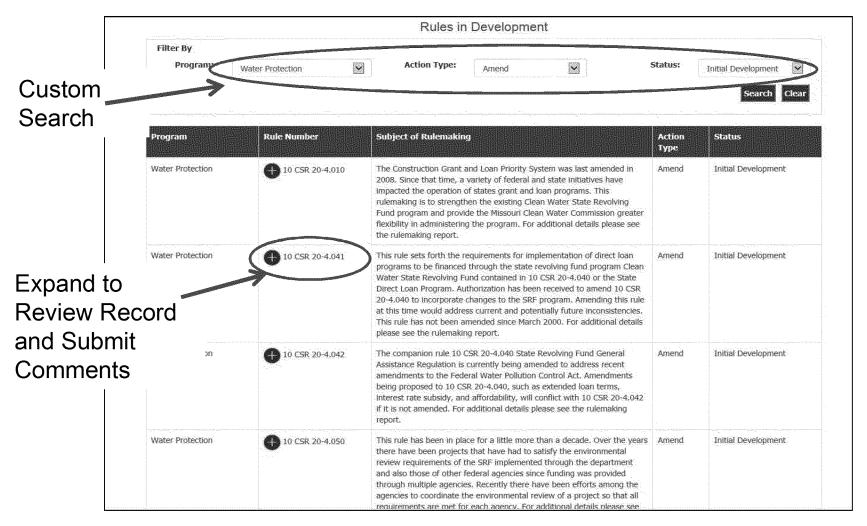


## Comments on RIR and Proposed Amendment

- All rulemakings will use the Regulatory Action Tracking System (RATS)
- Comments on the RIR and proposed rule may be submitted online through RATS
- https://dnr.mo.gov/proposed-rules



# Regulatory Action Tracking System (RATS)





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